

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference VISN0PPC005	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/AU2004/000838	International filing date (<i>day/month/year</i>) 25 June 2004	(Earliest) Priority Date (<i>day/month/year</i>) 27 June 2003
Applicant INVETECH PTY LTD et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box No. II).

3. ☐ Unity of invention is lacking (See Box No. III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

- a. the figure of the drawings to be published with the abstract is Figure No. **2b**

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/000838

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: G01N 35/10, 1/12, 1/14, 1/18, A61J 1/20, A61M 5/32, 5/178, 5/24, B01L 3/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Earlier Article 15(5) search report for AU 2003903254Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
DWPI: g01n-035/10/ic and (needl+ or trocar), sampl+, probe?, pierc+, aspirat+, pipet+, reservoir+, volume, retain+, stor+, hollow, dispens+, b01l-003/02/ic, a61j-001/20/ic or a61m-005/32/ic or a61m-005/178/ic or a61m-00/ic

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ D1 X	US 3,906,947 A (Cloyd) 23 September 1975 Whole document	1,2,6,10-11
✓ D2 X	US 3,278,357 A (Gettig et al.) 11 October 1966 Column 7, lines 33-42; figures 1-4	1-6,10-11
✓ D3 X	US 5,201,794 A (Kasai et al.) 13 April 1993 Abstract; figure 4; column 4, lines 23-27	1-6,10-15, 17-30, 32-33
✓ D4 X	US 5,354,537 A (Moreno) 11 October 1994 Abstract; column 3, lines 7-35; figure 1	1-6, 10-15, 17-30, 32-33

☒ Further documents are listed in the continuation of Box C☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
18 October 2004Date of mailing of the international search report
28 OCT 2004Name and mailing address of the ISA/AU
AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustralia.gov.au
Facsimile No. (02) 6285 3929Authorized officer
RAJEEV DESHMUKH
Telephone No : (02) 6283 2145

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000838

C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ X	D17 US 5,922,783 A (Wojciak) 13 July 1999 Abstract; column 15, lines 24-46	1-6, 10-11
✓ X	D18 US 6,126,903 A (Preston et al.) 3 October 2000 Abstract; column 4, lines 43-46; column 5, lines 23-24	1-6, 10-15, 17-30, 32-33
✓ X	D19 US 6,040,186 A (Lewis et al.) 21 March 2000 Figure 4a; column 5, lines 21-31	1-6, 10-15, 17-30, 32-33
✓ X	D20 US 6,050,955 A (Bryan et al.) 18 April 2000 Whole document	1, 7-9, 16, 31
✓ X	D21 DE 201 16 511 U1 (MWG-BIOTECH AG) 27 March 2003 Figures 1-5; description	1-6, 10-15, 17-30, 32-33
✓ X	D22 US 6,135,172 A (Féré et al.) 24 October 2000 Whole document	1-6, 10-15, 17-30, 32-33
✓ X	D23 US 2002/0025581 A1 (Schmidt et al.) 28 February 2002 Whole document	1-6, 10-15, 17-30, 32-33
✓ X	D24 US 2002/0198467 A1 (Finer) 26 December 2002 Paragraph [0009]; figures	1, 7-9, 16, 31
✓ X	D25 US 2003/0027345 A1 (Friswell et al.) 6 February 2003 Figure 2; paragraph [0048]	1-6, 10-15, 17-30, 32-33
✓ X	D26 WO 1997/026541 A1 (AUSTRALIAN BIOMEDICAL CORPORATION LTD) 24 July 1997 Abstract; page 3, lines 20-25; figure 2; claims	1-6, 10-15, 17-30, 32-33
✓ X	D27 US 5,578,272 A (Koch et al.) 26 November 1996 Figure 10; column 4, lines 25-30	1-6, 10-15, 17-30, 32-33
✓ X	D28 Patent Abstracts of Japan, JP 10-038767 A (ITO SEISAKUSHO:KK) 13 February 1998 Abstract; drawing	1-6

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000838

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ X D5	US 5,413,000 A (Stark et al.) 9 May 1995 Figures 6, 13, 14; column 7, lines 38–50	1–6, 10–15, 17–30, 32–33
✓ X D6	US 5,509,319 A (Hitzman) 23 April 1996 Figures 1, 4; column 3, line 4–column 4, line 10	1–6, 10–15, 17–30, 32–33
✓ X D7	US 5,569,861 A (Le Comte et al.) 29 October 1996 Column 1, lines 12–48; column 3, lines 6–37	1–6, 10–15, 17–30, 32–33
✓ X D8	US 5,512,247 A (Bonacina et al.) 30 April 1996 Figure 7; column 4, lines 31–33	1–6, 10–15, 17–30, 32–33
✓ X D9	Patent Abstracts of Japan, JP 07-083807 A (ALOKA CO LTD) 31 March 1995 Abstract; drawing	1–6, 10–15, 17–30, 32–33
✓ X D10	US 6,447,728 B1 (Wilmes et al.) 10 September 2002 Figure 4; abstract	1–6, 10–15, 17–30, 32–33
✓ X D11	US 5,609,826 A (Cargill et al.) 11 March 1997 Figure 1; column 7, lines 4–24	1–6, 10–15, 17–30, 32–33
✓ X D12	US 2002/0004637 A1 (Sentoh) 10 January 2002 Figures 1, 5(a)–5(d); paragraph [0005]	1–6, 10–15, 17–30, 32–33
✓ X D13	US 5,853,665 A (Ade et al.) 29 December 1998 Figure 1; column 3, line 44–column 4, line 21	1–6, 10–15, 17–30, 32–33
✓ X D14	US 5,769,086 A (Ritchart et al.) 23 June 1998 Whole document	1, 7–9, 16, 31
✓ X D15	US 5,900,557 A (Tanihata et al.) 4 May 1999 Figure 1(a); column 4, lines 54–61	1–6, 10–15, 17–30, 32–33
✓ X D16	US 5,918,291 A (Inacu et al.) 29 June 1999 Figure 1; column 4, lines 3–25	1–6, 10–15, 17–30, 32–33

Information on patent family members

PCT/AU2004/000838

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report				Patent Family Member			
US	3906947	DE	2161675	FR	2118668	GB	1334029
US	3278357	CH	431823	FR	1374434	GB	1031427
		OA	171	US	3247850		
US	5201794	AU	19537/88	EP	0363485	JP	63315033
		WO	8810414				
US	5354537	AU	42293/93	CA	2134350	EP	0641227
		WO	9321975				
US	5413000	EP	0382817	EP	0433436	US	4951512
		US	5315887	WO	8912829	WO	9101007
US	5509319						
US	5569861	AU	67383/94	CA	2127943	EP	0634660
		FI	943361	FR	2707760	HK	1008695
		JP	7146299	NO	942625	ZA	9405141
US	5512247	CA	2147737	EP	0681160	JP	8043403
JP	7083807						
US	6447728	CA	2285904	DE	19847759	EP	0994356
		JP	2000117123				
US	5609826	AU	26893/99	AU	54869/96	CA	2218359
		CA	2291767	EP	0821619	US	5770157
		US	6171555	WO	9633010	WO	9944741
US	2002004637	JP	2002022755				
US	5853665	WO	9914601				
US	5769086	CA	2239614	EP	0939604	EP	1428477
		WO	9720504				
US	5900557	JP	10104241				
US	5918291	EP	0747689				

... continued on the next page

Continued from the previous page ...

US	5922783	AU	68634/98	BR	9807804	CA	2320114
		CH	689787	DK	138498	EP	0963420
		ES	2204202	FI	982310	GB	2331101
		ID	22231	NO	994145	NZ	337905
		SE	9803680	US	6433036	US	6726795
		WO	9838260	ZA	9801622		
US	6126903	AU	52572/98	AU	71808/98	CA	2271901
		CA	2271959	EP	0938655	EP	0939891
		US	6274087	WO	9821560	WO	9821562
US	6040186	CA	2192652	CN	1152354	EP	0770212
		US	5948360	US	5993744	US	5998217
		US	6056921	US	6143573	US	6426225
		US	6544799	WO	9601994		
US	6050955	US	2002029007				
DE	20116511						
US	6135172	EP	0932824	FR	2767583	WO	9909389
US	2002025581	US	2001024624	US	2001048894	US	2002006356
		US	2002006360				
US	2002198467						
US	2003027345						
WO	9726541	AU	13614/97	AU	21195/99	EP	0888554
US	5578272	AU	36726/93	AU	60680/96	BR	9301469
		CA	2092742	CN	1081512	EP	0564970
		EP	0937983	FI	931602	IL	105281
		JP	6018531	NO	931222	NZ	247321
		NZ	272230	SG	44662	ZA	9302413
JP	10038767						

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX